

**ADDENDUM NO. 1**  
**February 11, 2015**

**Project:** Cold Storage Building  
Lake Thompson Recreation Area  
Kingsbury County, South Dakota  
Project No. Thom14Oc

**Letting:** Date: February 19<sup>th</sup>, 2015  
Time: 3:00 PM  
Department of Game, Fish and Parks  
2nd Floor, Foss Building  
523 East Capitol  
Pierre, South Dakota 57501-3182

**Owner:** State of South Dakota  
Department of Game, Fish and Parks

**Scope of this Addendum:**

The following becomes a part of the original plans and specifications, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the addendum on his bid form, incorporating its provisions in his bid.

**Item No. 1.**

1. Electrical Specifications, Section 16402, is attached.
2. Electrical will be connected into existing meter point. No additional meter needed.
3. Guard post: Detail 1/A1 should follow design requirements in technical specifications 10210 Storage Building Part 2.5.

2-11-15  
Date

Tyler Ulrich  
Tyler Ulrich  
Engineer I

## **SECTION 16402 ELECTRICAL**

### **PART 1 - GENERAL**

#### **1.1 QUALITY ASSURANCE**

- A. Work must be under the supervision and direction of a licensed electrical contractor.
- B. A wiring certificate will be required for this work.

### **PART 2 - PRODUCTS**

#### **2.1 CONDUCTOR**

- A. Conductor size shall be as indicated on plans or as allowed by code.
- B. Insulation shall be suitable for application.

#### **2.2 WIRING DEVICES**

- A. Duplex receptacle outlets shall be 20 AMP, 125 Volt, 3 Wire, grounding type, commercial grade.
- B. Receptacle outlets shall be equipped with galvanized steel plates.
- C. Switches shall be 20 AMP. Commercial grade 120/277 Volt, toggle type.

#### **2.4 RACEWAY**

- A. Provide rigid galvanized or sheradized steel conduit or electrical metallic tubing with compression or set-screw type fittings, for all concealed or exposed wiring.
- B. Provide one-piece boxes, of galvanized or sheradized steel and sufficient size to contain enclosed wires without crowding.

#### **2.5 CONDUCTORS (600V & Below)**

- A. For line voltages, provide 600V insulated copper wire and cable, NEC standard of types specified, with UL label, and color coded as required.

#### **2.6. FIXTURES**

- A. Provided as shown on the drawings and fixture schedule.

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION OF RACEWAYS AND FITTINGS**

- A. All wiring shall be run in conduit.
- B. Where conduit is installed concealed in walls or above the ceiling, or exposed in work areas, provide electrical metallic tubing with compression fittings.
- C. Flexible conduit may be used for connection of mechanical equipment provided length does not exceed two feet and a green ground wire is run inside the conduit.
- D. Conduits are to be run parallel to or at right angles with lines of the building.
- E. Conduits shall be sized for wire fill as per NEC Table 3A.

### **3.2 INSTALLATION OF CONDUCTORS - 600 VOLTS AND BELOW**

- A. All standard voltage wiring for secondary distribution and branch circuits shall be copper conductors insulated for 600 volts with Type THHN insulation, except as otherwise noted. All sizes #10 and larger shall be stranded conductors.
- B. The wire size for branch circuits shall be minimum #12.

**END OF SECTION**